

## PATENT ABSTRACTS OF JAPAN

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(54) ELECTROPHOTOGRAPHIC DEVELOPER

(57)Abstract:

PURPOSE: To provide an electrophotographic developer which enables fast fixing, has excellent offset resistance, and causes no drum filming nor carrier filming of a toner by using a wax having specified heat of fusion and glass transition temp. as an additive for the toner. CONSTITUTION: The wax used is a polyolefin having  $\leq 10$  cal/g heat of fusion,  $55-70^{\circ}$  C glass transition temp., and  $110-190^{\circ}$  C softening point. The wax is added by preferably 0.1-10wt.%. As for the toner binder resin, an epoxy resin, styrene-acrylate copolymer, polyester resin, and polyurethane resin are used. It is preferable that the binder resin has  $80-130^{\circ}$  C softening point. Further, a gold-contg. dye, fatty acid ester, or comd. containing an amino group may be added as a charge controlling agent.

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